

**
 Serca 1 -----MEAAH[S]K[STEE]CLAY[FGV]SETT[GLT]
 Sheep-Na, K 1 GRDKYEPAAVSEHGDK--KKAKKERDMD[LK]EVS[MDD-HKL]SLDELHRKYGTDLNRGLT

*
 Serca 26 PDQVKRHLEKYGHNELPAEEGKSLWELVIEQFEDLLVR[LL]LAACISFV---LAWFEEGE
 Sheep-Na, K 58 TARAAEILARDGPNALTPPTTPEWVKFCROLFGGFSMLWIGAVLCFLAYGHQAATEEE

* * A
 Serca 83 ETITAFVEPFVILLILLANAIVGVWQERNAENAEALKEYEPEMCKVYRADRKSVQRIKA
 Sheep-Na, K 118 PQNDNLVLGVLSAVVITTCFSYQ[EA]KSSKIME[SF]KNMVPQOALVI--RNGEKMSINA

A
 Serca 143 RDI[VPGD]IVEVAVGDKVPADIRILS[IKSTTL]RVDQ[SI]LTGESVSVIKHTEPVPDPRAVNO
 Sheep-Na, K 176 EEV[VPGD]IVEVKGDRIPADIRILS--ANGCKVDNSSLTGESEPQTRSPDFTNEN---PL

*
 Serca 203 DKKNMLFSGTNIAAGKALGIVATTG[VST]E[LGK]IRDQMAATEQDKT[PL]QQLDEFGEQLSK
 Sheep-Na, K 231 ETRNIAEFSTNCVEGTARGIVVYTGDRIVMGRIATLASGLEGGOTPIAAEIE-----HF

* B
 Serca 263 VISLICVAVWLINIGHFNDFVHGGSWIRGATMYFKIAVALAVAAPEGLPAVITTCIALG
 Sheep-Na, K 285 IHIITGVAVELGV[SFFIL]SLILEYEWLEAVIELIGHI----VANVPEGLLATVIVCITLT

B
 Serca 323 TRMAKKNALVRS[LP]SVETLGCTSVICSDKTGTLTINQMSVCKMFIIDKVDGDFCSLNEF
 Sheep-Na, K 341 AKRMARKNCLVKNLEAVETLGSTSTICSDKTGTLTONRMIVAHMWFQNDQIHEADTTEHQ

*
 Serca 383 SITGSTYAPEGEVLKNDKPIRSQFQDGLVEIATICALCNDSSLD[FD]NETKGVYEKVG[EA]TE
 Sheep-Na, K 401 GVSFDKTSATWL-----ALSRIAGLCNRAVFQANQDNLPI[LK]RAVAGDASE

* * *
 Serca 443 TALTTLVEKMNVFNT[EV]RNLSKVERANACNSVIRQLMKKEFTLEFSRDRKSMSVYCSPAK
 Sheep-Na, K 447 SALLKCLEVC-----CGSVKEMRERYAKIVEIPFNSTNKYQLSIHKNA

* *
 Serca 503 SSRAAVGNKMFVKGAP[EGV]IDRCNYVRVGTTRVPMTGVPVKEKILSVIK[EW]G--TGRDTRLR
 Sheep-Na, K 491 AGEP--RHLLVMKGAPERIIDRCSSILIHGKEOPLDEELKDAFQAYLELGGLGERVLGF

Serca 561 CLALATRDTPPKREEMVLDDSSRFMEYETDLTFVGVVGMIDPPRKEVMGSIQLCRDAGIR
 Sheep-Na, K 549 CHLMLEPDEQFPEGFQFDTDD---VNFVVDNLCFVGLISMIIDPPRAAVPDAVGKCRSAGIK

* *
 Serca 621 VIMITGDNKGTAIAICRRIGIFGENEEVAD-----RAYTGREFDD
 Sheep-Na, K 606 VIMITGDHPIAKAIAGVGIISEGNETVEDIAARLNI[PVSQVN]PRDARACV[HGS]DLKD

* *
 Serca 661 LPLAEQREA--CRRACCFARVEPSHKSKIVEYLOS[YE]ITANTGDGVNDAPALKKAEIGI
 Sheep-Na, K 666 MTPEQLDILKYHTEIVFARTSPQKLIIVEGCORQGAIVANTGDGVNDSPALKKADIGV

*
 Serca 719 AMGSC-TAVAKTASEMMLADDNFSIIIVAVEEGRAIKNNKQFIRYLSSNVGEVVCIFL

Sheep-Na, K 726 AMGIAGSDVSKQAADMILLDDNFASIVTGVEEGRLLFDNKKSTAYTLTSNIPETTPFLI

C

Serca 778 TAALGHEPEALIPVQLLWNLVFDGHPATALGENPPLDIMDRPPRSPKEPLISGWLFFRY

Sheep-Na, K 786 FIIANHPLPLGTVTILLCHDLGIDMVPASLAMEQAFSDIMKROPNPQTDKLVNERLISM

D

Serca 838 MAIGGYVGAATVGAANWFFMYAEDCPGVT-----YHQLTHFMQCTEDHHPFEGLDCEI

Sheep-Na, K 846 AYGQIGMIQALGGFFTYEVMMAENGFLPNHLLGIRVTWDDRWINDVEDSYGQQWTYBQRK

D

Serca 891 FEAPEPMTMALSVIVTTEMCNALNSISENOSIMRMPPWVNIWLLGSLCLSMSEHFLILYV

Sheep-Na, K 906 IVEFTCHIAFFVSEVVVQWADLWICKIRRNVSIFQGM-KNKILFGLFEETALAAFLSYC

D E

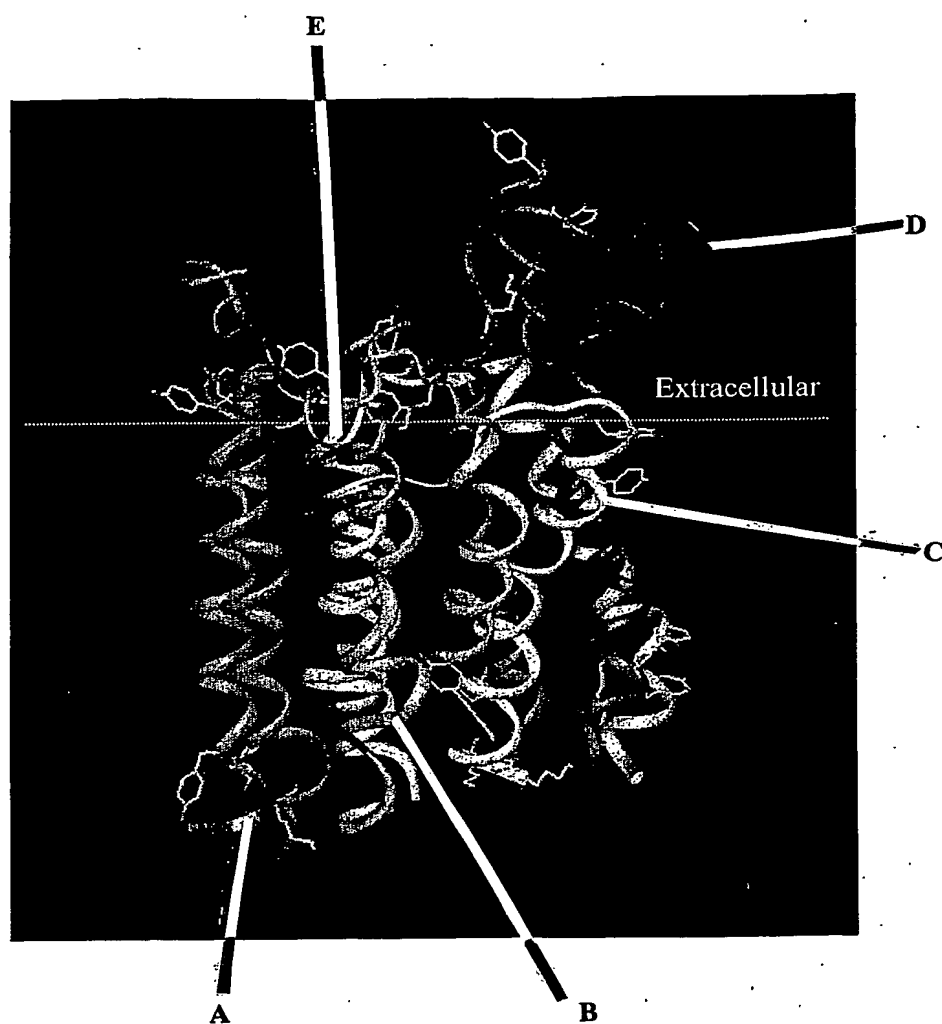
Serca 951 DPLPMIFKIKALDLTQWLMVLKISLPVIGLDEILKFIARNYLEDPEDERRK-

Sheep-Na, K 965 PGMGVALRMYPILKPTWWFCAFPYSLLIFVYDEVKLIIRRRPGGWVEKETYY

E

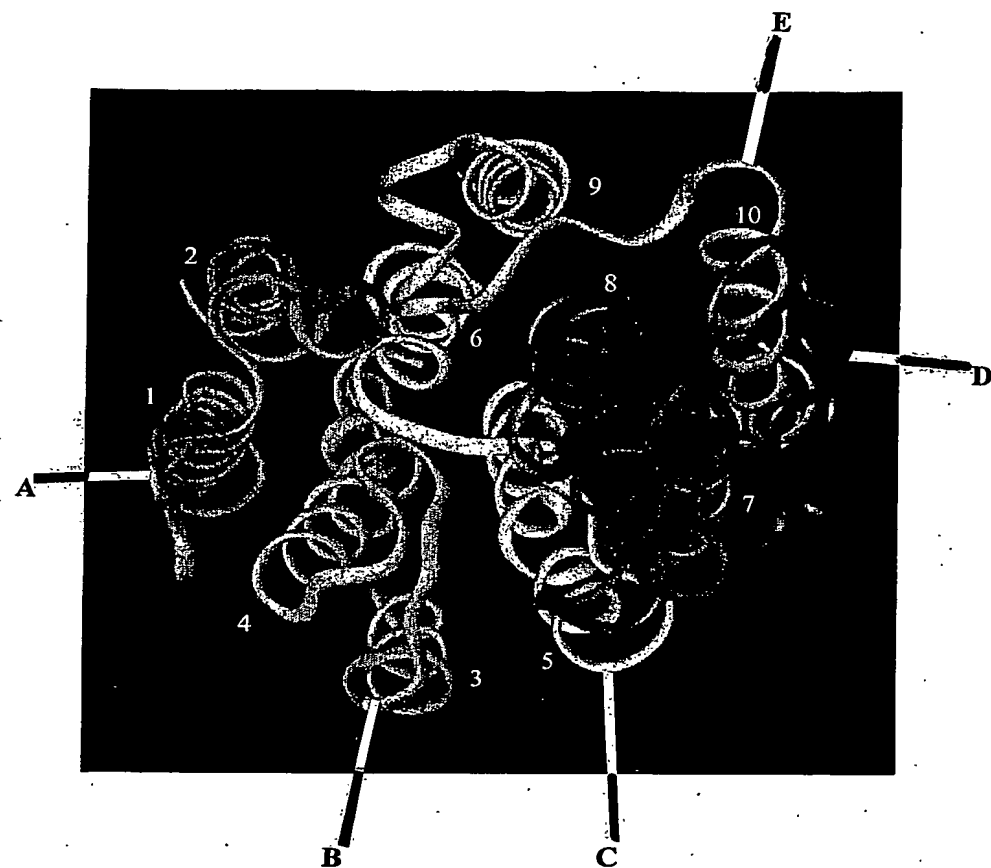
Figure 1

Figure 2A



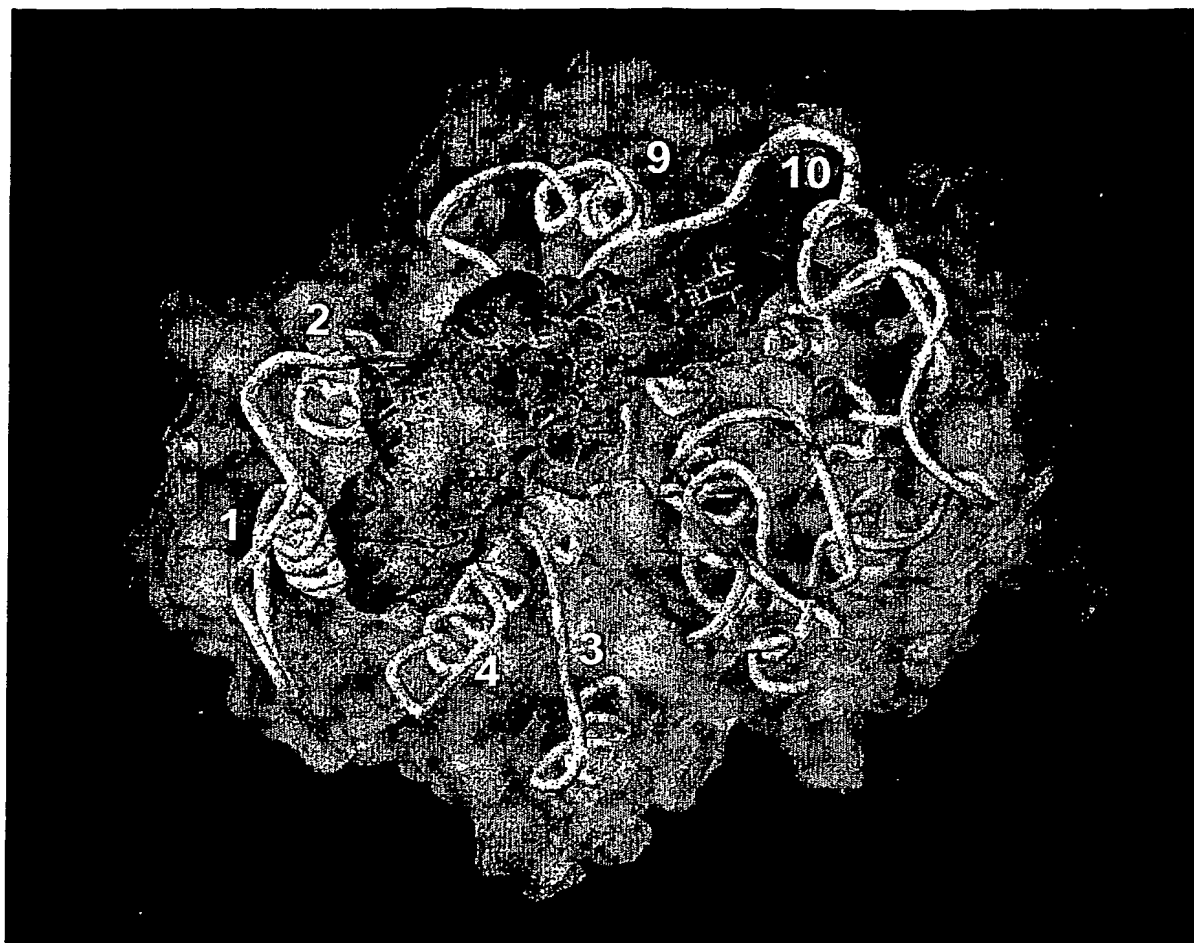
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Figure 2B



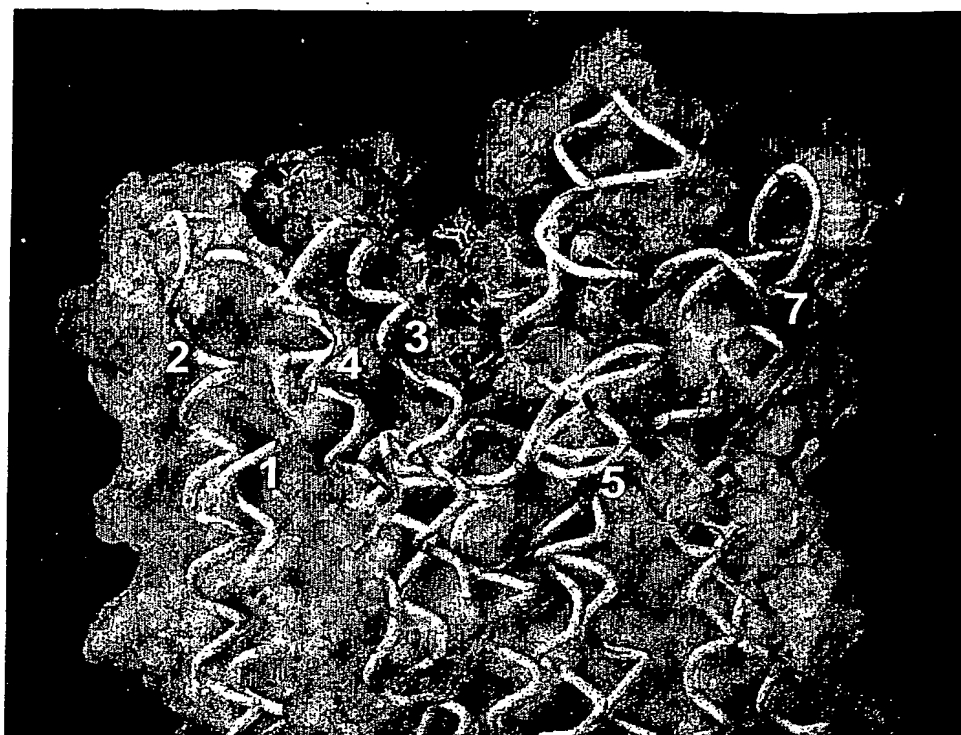
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Figure 3A



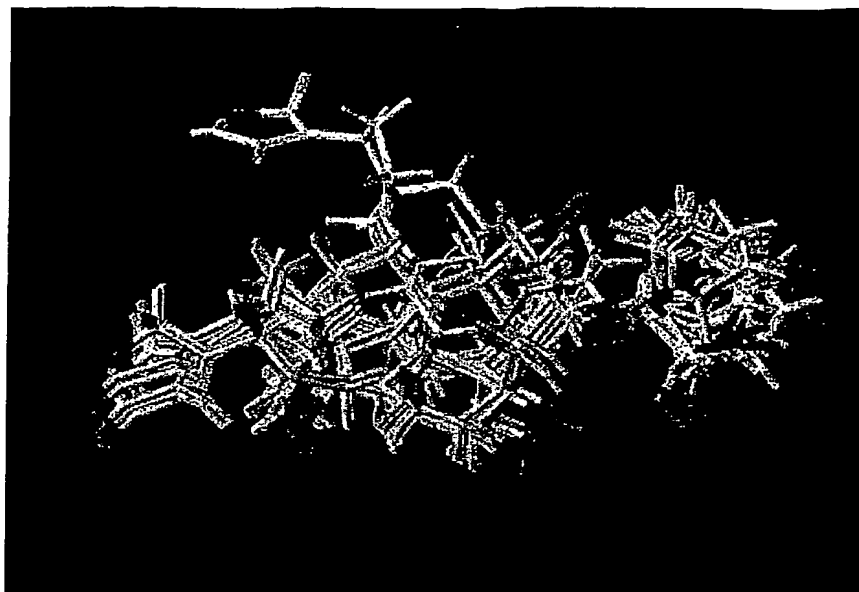
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Figure 3B



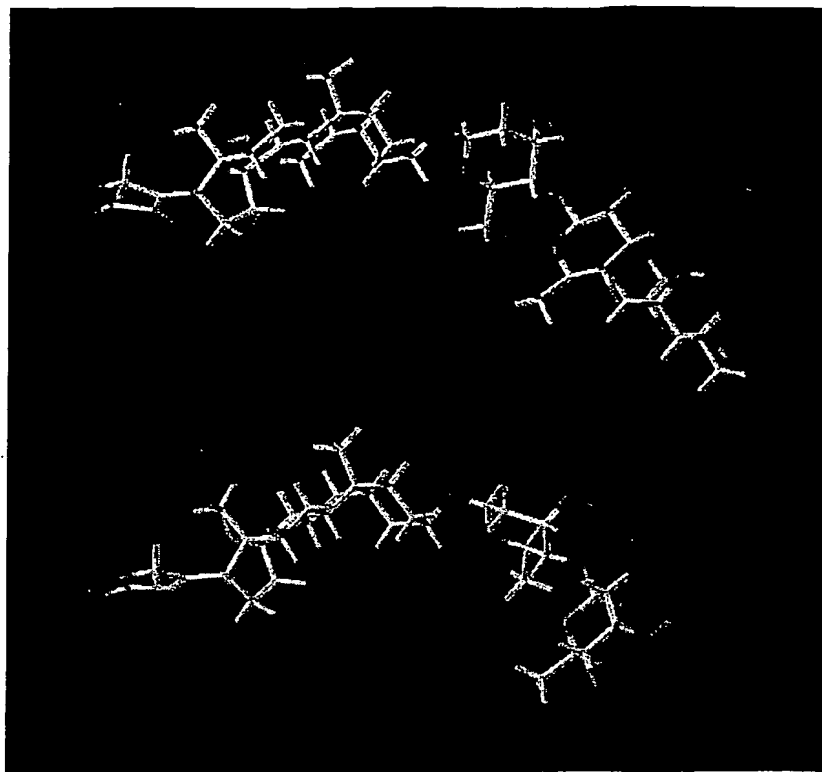
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Figure 3C



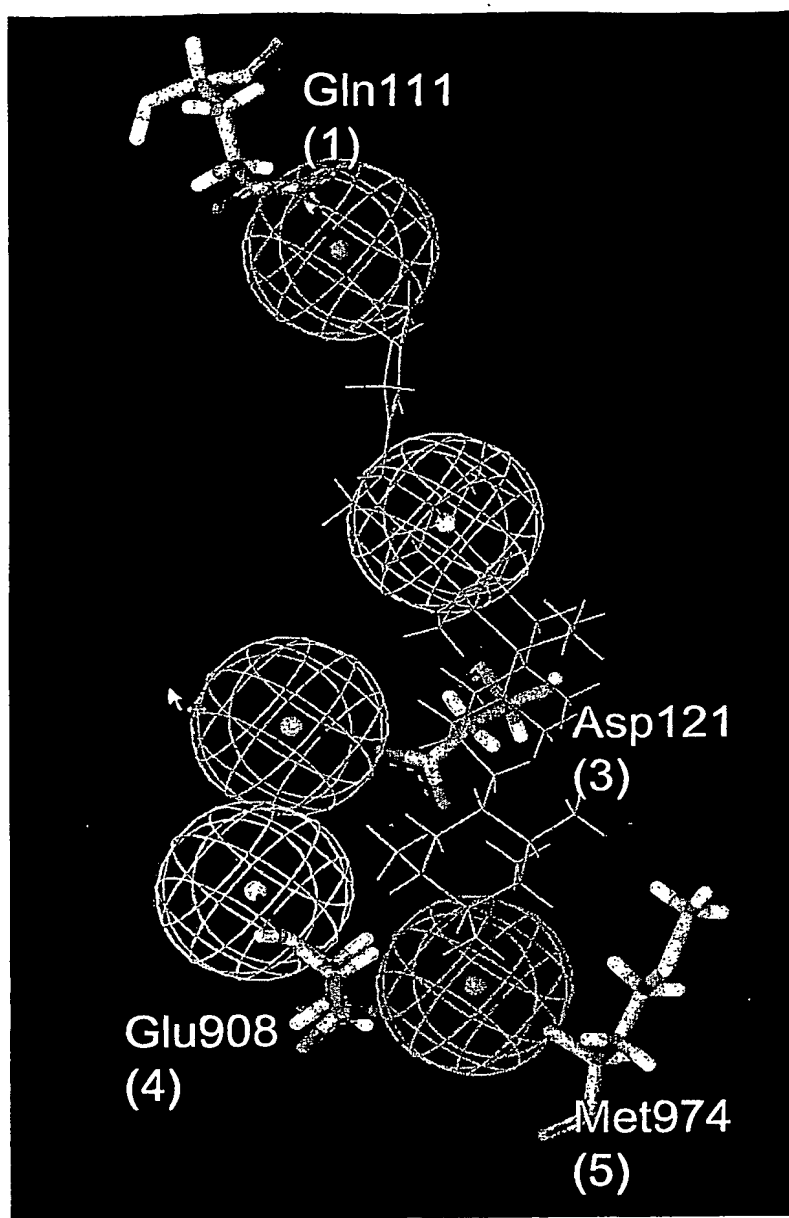
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Figure 3D



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Figure 4



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